WR-35
Rev (1-10)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 09/13/2010
API #: 47-770-0507

Farm name: Titchenell Unit Operator Well No.: 8013

LOCATION: Elevation: 1791' (GL) Quadrangle: Valley Point

District: Kingwood County: Preston

Latitude: 39.50857 Feet South of ____ Deg. ____ Min. ____ Sec.

Longitude 79.66823 Feet West of ____ Deg. ____ Min. ____ Sec.

RECEIVED
SEP 15 2010
WV Oil and Gas
Conservation Commission

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
4 Grandview Circle, Suite 203	22"	33'		Circulate to surface
Canonsburg, PA 15317	13 3/8"	960'		[illegible]
Agent: Shawna C. Yezak	9 5/8"	2250'		937 cu ft (650 sx)
Inspector: Bryan Harris	5 1/2"	8320'		644 cu ft (525 sx)
Date Permit Issued: 09/10/2009				
Date Well Work Commenced: 12/13/2009	2 3/8"		8081'	
Date Well Work Completed: 06/10/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary Cable Rig X				
Total Vertical Depth (ft): 8320				
Total Measured Depth (ft):				
Fresh Water Depth (ft.): 300-900'				
Salt Water Depth (ft.): 1850'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Upper & Lower Marcellus Pay zone depth (ft) 8020'

Gas: Initial open flow 620,000 MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow 70,000 MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 480 Hours

Static rock Pressure 4750 psig (surface pressure) after 0 Hours

Second producing formation ____ Pay zone depth (ft) ____

Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d

Final open flow ____ MCF/d Final open flow ____ Bbl/d

Time of open flow between initial and final tests ____ Hours

Static rock Pressure ____ psig (surface pressure) after ____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Shawna C. Yezak
Signature

09/13/2010
Date

CONFIDENTIAL
Released 8/25/2016

Page 1 of 3

77-00507

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

CONFIDENTIAL

04/23/10 - Perforated Lower Marcellus within interval 8144-8164'

04/27/10 - Fraced interval 8144-8164 w/ 441,634 gals water; 169,000 lbs 100 Mesh; 229,700 lbs of 40/70 Sand and 2000 gals 7.5% HCl Acid.

04/27/10 Perforated Upper Marcellus within interval 8074-8094 and fraced interval with 427,697 gal water; 200,500 lbs of 100 Mesh; 242,000 lbs 40/70 Sand

Note: Chemical Tracer and RA Tracer pumped throughout job in sand.

Formations Encountered: Surface:	Top Depth /	Bottom Depth
Allegheny Formation Sandstone & Shale	0	290
Pottsville Sandstone	290	582
Mauch Chunk Sandstone & Shale	582	656
Sandstone & Shale	656	810
Greenbriar	810	1094
Little Lime - Limestone	1094	1161
Big Lime - Limestone	1161	1264
Big Injun - Sandstone	1264	1541
Weir Sandstone	1541	2096
Sunbury Shale	2096	2100
Berea Sandstone	2100	2281
4th Sandstone	2281	2342
Fifth Sandstone	2342	2401
Bayard Sandstone	2401	2519
Elizabeth Sandstone	2519	2639
Warren Shale	2639	2810
Speechley Sandstone & Shale	2810	2996
Balltown Sandstone	2996	3267
Bradford Sandstone	3267	3407
Riley	3407	3807
Benson Sandstone	3807	4458
Sandstone & Siltstone	4458	5065
Elk Sandstone	5065	5103

77-00507

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Note: Chemical Tracer and RA Tracer pumped throughout job in sand.

Formations Encountered: Surface:	Top Depth	/ Bottom Depth
Siltstone & Shale	5103	5241
Brallier	5241	7361
Harrell Shale	7361	7644
Burket Shale	7644	7659
Tully Limestone	7659	7696
Hamilton Shale	7696	8020
Upper Marcellus Shale	8020	8094
Purcell Limestone	8094	8129
Lower Marcellus Shale	8129	8174
Onondaga Limestone	8174	8192
Huntersville Chert	8192	8300

WR-35
Rev (5-01)

DATE:7-8-2014
API # : 47-95-2129

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: David Bowyer Operator Well No.: # 1
LOCATION: Elevation : 725 Quadrangle: Shirley

District: Centerville County: Tyler
Latitude: 8960 Feet South of 39 Deg. 25 Min 00 Sec.
Longitude7550 Feet West of 81Deg. 50 Min. 00 Sec.

Company: BATTLES ENERGY CORP	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 1785 Corbin Branch Rd , Brdigeport WV 26330				
	133/8	42	42	CTS
Agent: Peter Battles	7	728	728	CTS
Inspector: Joe Taylor	4 1/2		2245	Top@ 916
Date Permit Issued:9/30/2013				
Date Well Work Commenced:10-29-2013				
Date Well Work Completed: 6-24-2014				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 2711				
Fresh Water Depth (ft.): 340				
Salt Water Depth (ft.): 1540				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):340				

OPEN FLOW DATA

Producing formation Berea Pay zone depth (ft) 2204-2210
Gas: Initial open flow Show MCF/d Oil: Initial open flow Show Bbl/d
Final open flow 100 MCF/d Final open flow 1 Bbl/d
Time of open flow between initial and final tests 10 Days
Static rock Pressure 800 psig (surface pressure) after 48 Hours

Second producing formation Weir & Big Injun Pay zone depth (ft) 1724-2016
Gas: Initial open flow Commingled MCF/d Oil: Initial open flow_____Bbl/d
Final open flow_____MCF/d Final open flow _____Bbl/d
Time of open flow between initial and final tests_____Hours
Static rock Pressure_____psig (surface pressure) after _____Hours

Received
AUG 4 2014
Office of Oil and Gas
WV Dept. of Environmental Protection

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: _____
By: Peter Battles
Date: Aug 1, 2014

FORM WR-35

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

STAGE I **2204-2210 (4)** 25000 LB SAND ; 500 GAL HCL

STAGE II **1724-2016 (10)** 30,000 LB SAND ; 500 GAL HCL

STAGE III

STAGE IV

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal oil and gas
Soil & Sand	0	80	
Red Rock & Shale	50	268	
Sand	268	340	
Coal	340	345	
Red Rock & Shale	345	760	
Sand	760	780	
Sand & Shales	780	1090	
Shales	1090	1140	
Salt Sands	1140	1430	
Shale	1430	1530	
Maxton	1530	1565	Salt Water @ 1540
Shale	1610	1620	
Big Lime	1620	1700	
Big Injun	1700	1835	Oil Show Show @ 1710
Shale	1835	2010	
Weir	2010	2120	
Shale	2120	2198	
Berea	2198	2204	
Shale	2204	TD	
TD	2711		